

Claims

1. An electrical connector comprising a housing having a plurality of parallel terminal insertion cavities therein, each of said cavities being adapted to receive one of a plurality of electrical terminals, the housing further including an end adapted to receive a mating connector, a retainer cavity intersecting said insertion cavities, and a retainer movable in said retainer cavity between a first position in which in use said terminals can move in a respective insertion cavity, and a second position in which in use said terminals are latched against movement in a respective insertion cavity, wherein said retainer is wholly within said housing.
2. A connector according to claim 1 wherein said housing includes an opening in the wall thereof for permitting the position of said retainer to be verified from the exterior of said housing.
3. A connector according to claim 1 wherein said retainer is visible from said end during movement between said first and second positions.
4. A connector according to claim 2 wherein said retainer is visible from said end during movement between said first and second positions.
5. A connector according to claim 3 wherein said retainer has a discontinuity accessible from said end, said discontinuity being engageable to move the retainer between said positions.
6. A connector according to claim 4 wherein said retainer has a discontinuity accessible from said end, said discontinuity being engageable to move the retainer between said positions.
7. A connector according to claim 5 wherein said discontinuity comprises a protrusion of the retainer.

8. A connector according to claim 6 wherein said discontinuity comprises a protrusion of the retainer.
9. A connector according to claim 1 and further including a hood surrounding said housing at a distance and defining an annular chamber, said chamber having an annular seal therein for sealing engagement with a tubular projection of a mating connector.
10. A connector according to claim 9 wherein said hood is attached to the exterior of said housing.
11. A connector according to claim 9, said retainer being between said seal and said end.
12. A connector according to claim 10, said retainer being between said seal and said end.
13. An electrical connector assembly comprising a first connector according to any preceding claim, and a second connector adapted to mate therewith, said retainer and said second connector having mutual, concave/convex detecting members adapted to permit full engagement of said connectors only in the second position of said retainer.
14. An electrical connector assembly comprising a male and female connector, each according to claim 1.